

**MECHANICAL DATA**

CASE DIMENSIONS (excluding brackets)	W340mm x H325mm x D33mm
DISPLAY VIEWING AREA	W321mm x H222mm
CASE CONSTRUCTION	Aluminium, textured matt black powder coated finish
WEIGHT	2kg
CABLE EXIT POINTS (as viewed from back)	Top left*, top right, bottom left*, bottom right

*Available for ITxPT

DISPLAY DATA

MAXIMUM CHARACTER HEIGHT	222mm
BRIGHTNESS	3500 cd/m ²
TEXT FORMAT	Static, paging or scrolling, 1 or 2 lines
FONT OPTIONS	Hanover fonts as supplied with HELEN programming software plus Windows™ fonts
DISPLAY TECHNOLOGY	High visibility LEDs (with integrated ambient light sensor)
COMMUNICATION INTERFACES	RS485 (standard), RS232, IBIS, J1708, Ethernet (via controller), Ethernet M12 connector (ITxPT)

LED SPECIFICATION

LIFETIME	Approx. 100,000 hours dependent on temperature and current
SIZE AND TYPE	PLCC-2 SMT package W2.8mm x H3.5mm x D1.9mm
DOMINANT COLOUR WAVELENGTH	Amber 588 - 594nm (typically 591nm)
PITCH	Horizontal 10.2mm / vertical 13.3mm
VIEWING ANGLE (horizontal)	120°

ELECTRICAL DATA

OPERATING VOLTAGE	24Vdc nominal (18-32V) / 12Vdc nominal (10-32V)
NORMAL POWER CONSUMPTION (33% LEDs lit at 50% brightness)	5 watts (0.19A with 24V input and 0.38A with 12V input)
MAXIMUM POWER CONSUMPTION (all LEDs lit at 100% brightness)	13 watts (0.56A with 24V input and 1.12A with 12V input)
ELECTRICAL PROTECTION	Anti-surge, reverse polarity
DISPLAY PROCESSOR FUSE RATING	5A quick blow

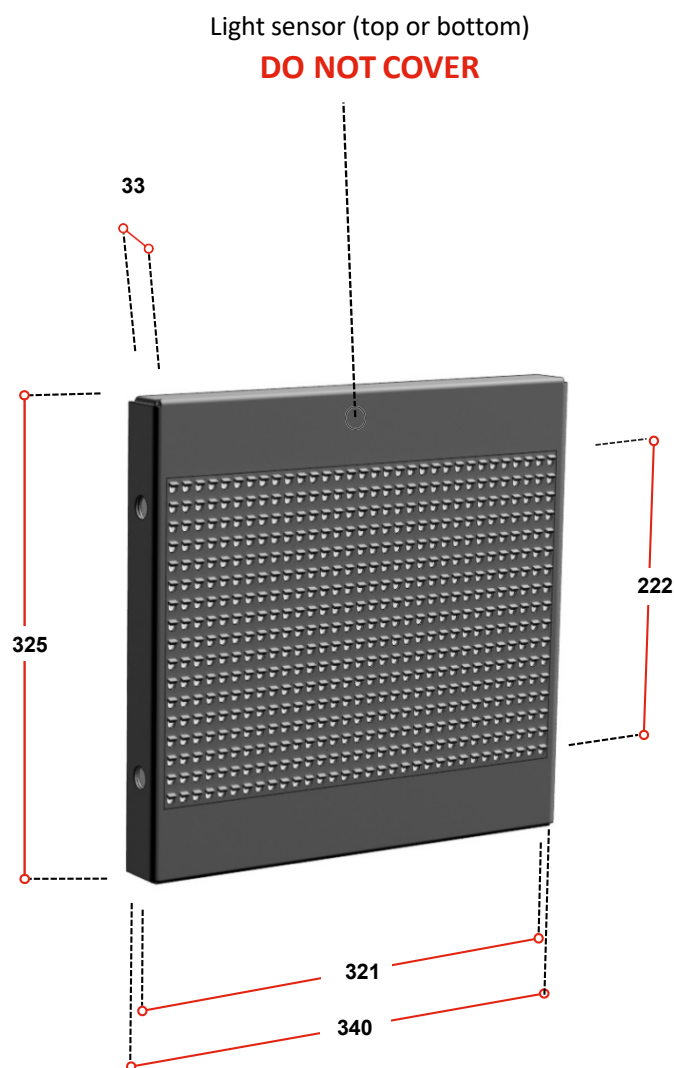
OPERATIONAL DATA

TEMPERATURE RANGE (STORAGE)	-20°C to +70°C (-40°C to +80°C)
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Hanover Displays LED signs meet United Nations Automotive EMC Directive ECE R10 as amended. Certificate No. E11*10R06/01*10973*01.

Hanover Displays LED signs meet United Nations Automotive Burning Behaviour Directive ECE R118. Certificate No. E1*118R03/01*0283*00.

Equality Act 2010 & PSV Accessibility Regulations compliant. Details subject to change.



MEASUREMENTS	WIDTH (mm)	HEIGHT (mm)	DEPTH (mm)
CASE DIMENSIONS (excluding brackets)	340	325	33
DISPLAY VIEWING AREA	321	222	

MECHANICAL DATA	
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WEIGHT	2kg
CABLE EXIT POINTS (as viewed from back)	Top left*, top right, bottom left*, bottom right

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